



IPW

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Hae-Don CHON et al. Group Art Unit: 2877

Serial No.: 10/656,081 Docket: 678-1218

Filed: September 4, 2003 Dated: May 12, 2004

For: APPARATUS FOR DETECTING POSITION  
INFORMATION OF A MOVING OBJECT

Commissioner for Patents  
Office of Initial Patent Examination's Filing Receipt Corrections  
P.O. Box 1450  
Alexandria, VA 22313-1450

**REQUEST FOR CORRECTED FILING RECEIPT**

Sir:

Enclosed is the Official Filing Receipt as received from the U.S. Patent and Trademark Office in connection with the above-identified application for which issuance of a corrected Filing Receipt is respectfully requested.

There is an error with respect to the Filing Date:

"09/05/2003" should be -09/04/2003-.

**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postpaid in an envelope, addressed to the: Commissioner for Patents, Office of Initial Patent Examination's Filing Receipt Corrections, P.O. Box 1450, Alexandria, VA 22313-1450 on May 12, 2004.

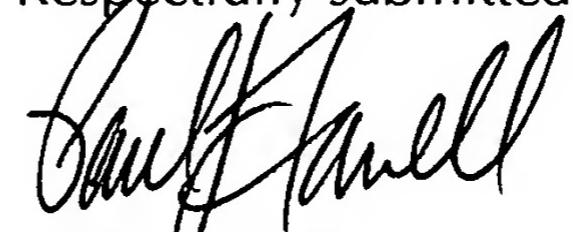
Dated: May 12, 2004

  
Paul J. Farrell

Enclosed is a copy of the return receipt postcard stamped September 4, 2003 by the U.S. Patent and Trademark Office acknowledging receipt of this application. Also enclosed are copies of the Fee Transmittal for FY 2003, Utility Patent Application Transmittal, and Utility Application Data Sheet, all bearing a Certificate of Mailing Under 37 C.F.R. 1.10 dated September 4, 2003.

It is Applicants' belief that this error originated at the U.S. Patent and Trademark Office and, accordingly, no fee is believed to be required.

Respectfully submitted,



Paul J. Farrell  
Registration No. 33,494  
Attorney for Applicants

**DILWORTH & BARRESE, LLP**  
333 Earle Ovington Boulevard  
Uniondale, New York 11553  
(516) 228-8484



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Page 1 of 2

**COPY**

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY.DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/656,081	09/05/2003	2877	750	678-1218 (P11022)	5	9	1

CONFIRMATION NO. 1856

Paul J. Farrell  
DILWORTH & BARRESE, LLP  
333 Earle Ovington Blvd.  
Uniondale, NY 11553

**FILING RECEIPT**



\*OC000000012098271\*

Date Mailed: 03/12/2004

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

**Applicant(s)**

Hae-Don Chon, Yongin-shi, KOREA, REPUBLIC OF;  
Jong-Chol Seol, Suwon-shi, KOREA, REPUBLIC OF;

**Assignment For Published Patent Application**

SAMSUNG ELECTRONICS CO., LTD, KYUNGKI-DO, KOREA, REPUBLIC OF;

**Domestic Priority data as claimed by applicant**

**Foreign Applications**

REPUBLIC OF KOREA P2003-35271 06/02/2003

If Required, Foreign Filing License Granted: 03/12/2004

Projected Publication Date: To Be Determined - pending completion of Corrected Papers

Non-Publication Request: No

Early Publication Request: No

**Title**

Apparatus for detecting position information of a moving object

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**Preliminary Class**

356

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**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).



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COPY

PATENT OFFICE DATE STAMP WILL ACKNOWLEDGE RECEIPT OF:

New U.S. Patent Application of Hae-Don CHON, et al.  
entitled: APPARATUS FOR DETECTING POSITION INFORMATION OF A MOVING OBJECT

1. Utility Application Data Sheet Under 37 C.F.R. §1.76 (in duplicate)
2. Utility Patent Application Transmittal
3. Fee Transmittal for FY 2003 (in duplicate)
4. Specification (14 pgs), claims (3 pgs.), Abstract (1 pg.), formal drawings (5 pgs.)
5. Check for \$750.00 (filing fee)
6. Check for \$40.00 (Recordation)
7. Transmittal of Priority Document w/ Korean Patent App. No 2002-35271
8. Recordation Cover Sheet w/ Assignment
9. Executed Declaration and Power of Attorney
10. Return Postcard

All submitted Under Certificate of Mailing Under 37 C.F.R. 1.10

Express Mail No. EV 333227840 US

Docket: 678-1218 (P11022)

Dated: September 4, 2003

PJF/SAH:joz

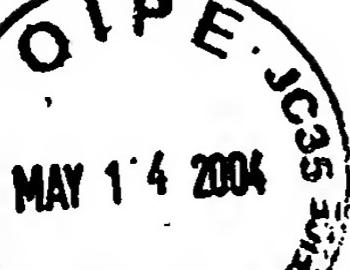
22389 U.S. PTO

10/656081



09/04/03

MAY 14 2004

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PTO/SB/17 (01-03)

Approved for use through 12/31/2003. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**FEET TRANSMITTAL  
for FY 2003**

Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 790.00)

**METHOD OF PAYMENT (check all that apply)**
 Check    Credit card    Money Order    Other    None
 Deposit Account:Deposit Account Number  
Deposit Account Name

04-1121

Dilworth &amp; Barrese LLP

The Commissioner is authorized to: (check all that apply)

Charge fee(s) indicated below    Credit any overpayments

Charge any additional fee(s) during the pendency of this application

Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 750	2001 375	Utility filing fee	750.00
1002 330	2002 165	Design filing fee	
1003 520	2003 260	Plant filing fee	
1004 750	2004 375	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
<b>SUBTOTAL (1)</b>		<b>(\$ 750.00)</b>	

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid
9	-20** =	0	x 18.00	= 0.00	
1	- 3** =	0	x 0.00	= 0.00	

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 84	2201 42	Independent claims in excess of 3
1203 280	2203 140	Multiple dependent claim, if not paid
1204 84	2204 42	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent
<b>SUBTOTAL (2)</b>		<b>(\$ 0.00)</b>

\*\* or number previously paid, if greater; For Reissues, see above

**Complete If Known**

Application Number	not yet known
Filing Date	herewith
First Named Inventor	Hae-Don CHON
Examiner Name	not yet known
Art Unit	not yet assigned
Attorney Docket No.	678-1218 (P11022)

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)		
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 410	2252 205	Extension for reply within second month	
1253 930	2253 465	Extension for reply within third month	
1254 1,450	2254 725	Extension for reply within fourth month	
1255 1,970	2255 985	Extension for reply within fifth month	
1401 320	2401 160	Notice of Appeal	
1402 320	2402 160	Filing a brief in support of an appeal	
1403 280	2403 140	Request for oral hearing	
1451 1,510	1451 1,510	Petition to Institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,300	2453 650	Petition to revive - unintentional	
1501 1,300	2501 650	Utility issue fee (or reissue)	
1502 470	2502 235	Design issue fee	
1503 630	2503 315	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	40
1809 750	2809 375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 750	2810 375	For each additional invention to be examined (37 CFR 1.129(b))	
1801 750	2801 375	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	
Other fee (specify)			
*Reduced by Basic Filing Fee Paid			
<b>SUBTOTAL (3)</b>		<b>(\$ 40.00)</b>	

(Complete if applicable)

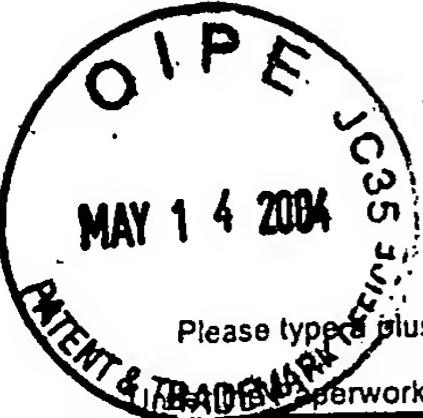
SUBMITTED BY	Name (Print/Type)	Registration No. (Attorney/Agent)	Telephone
	Pat J. Farrell	33,494	(516) 228-8484
Signature	<i>Pat J. Farrell</i>	Date	9/4/03

**CERTIFICATION UNDER 37 C.F.R. § 1.10**

I hereby certify that this correspondence and the documents referred to as enclosed are being deposited with the United States Postal Service on date below in an envelope as "Express Mail Post Office to Addressee" Mail Label Number EV 333227840 US addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: September 4, 2003

Seth A. Horwitz



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MAY 14 2004

Please type or plus sign (+) inside this box → +

PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Small Business Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	678-1218 (P11022)
First Inventor	Hae-Don CHON
Title	APPARATUS FOR DETECTING POSITION...
Express Mail Label No.	EV 333227840 US

### APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2.  Applicant claims small entity status.  
See 37 CFR 1.27.
3.  Specification [Total Pages 18]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4.  Drawing(s) (35 U.S.C. 113) [ Total Sheets 5 ]
5. Oath or Declaration [ Total Pages 2 ]  
 a.  Newly executed (original or copy)
   
b.  Copy from a prior application (37 CFR 1.63 (d))
   
(for continuation/divisional with Box 18 completed)
  - i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6.  Application Data Sheet. See 37 CFR 1.76

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P. O. Box 1450  
Alexandria, VA 22313-1450

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a.  Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  paper
  - c.  Statements verifying identity of above copies

### ACCOMPANYING APPLICATION PARTS

9.  Assignment Papers (cover sheet & document(s))
10.  37 CFR 3.73(b) Statement  
(when there is an assignee)  Power of Attorney
11.  English Translation Document (if applicable)
12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
13.  Preliminary Amendment
14.  Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15.  Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16.  Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17.  Other: Check for \$750.00 & \$40.00

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation     Divisional     Continuation-in-part (CIP)

of prior application No.: \_\_\_\_\_ / \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_

Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

### 19. CORRESPONDENCE ADDRESS

<input type="checkbox"/> Customer Number or Bar Code Label	<input type="checkbox"/> (Insert Customer No. or Attach bar code label here)			or	<input type="checkbox"/> Correspondence address below
--	--	--	--	----	---

Name	Paul J. Farrell				
Address	DILWORTH & BARRESE, LLP				
	333 Earle Ovington Blvd.				
City	Uniondale	State	New York	Zip Code	11553
Country	U.S.A	Telephone	(516) 228-8484		Fax (516) 228-8516

Name (Print/Type)	Paul J. Farrell	Registration No. (Attorney/Agent)	33,494
Signature			Date 9/4/03

### CERTIFICATION UNDER 37 C.F.R. § 1.10

I hereby certify that this correspondence and the documents referred to as enclosed are being deposited with the United States Postal Service on date below in an envelope as "Express Mail Post Office to Addressee" Mail Label Number EV 333227840 US addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: September 4, 2003

Seth A. Horwitz



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PATENT

Atty. Docket No. 678-1218 (P11022)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

UTILITY APPLICATION DATA SHEET UNDER 37 C.F.R. §1.76

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): Hae-Don CHON, Jong-Chol SEOL

For: APPARATUS FOR DETECTING POSITION INFORMATION OF A MOVING OBJECT

Enclosed are:

- 14 page(s) of specification
- 1 page(s) of Abstract
- 3 page(s) of claims
- 5 sheets of drawings [x] formal [ ] informal
- 2 page(s) of Declaration and Power of Attorney

ASSIGNEE NAME: SAMSUNG ELECTRONICS CO., LTD.

ASSIGNEE RESIDENCE: KYUNGKI-DO, KOREA

CERTIFICATION UNDER 37 C.F.R. § 1.10

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date, September 4, 2003 in an envelope as "Express Mail Post Office to Addressee" Mail Label Number EV 333227840 US addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Seth A. Horwitz

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- This application claims the benefit under 35 U.S.C. §119(e) of U.S. Provisional Application(s) No(s).:

APPLICATION NO(S).:

FILING DATE

- Certified copy of application

<u>Country</u>	<u>Appln. No.</u>	<u>Filed</u>
Korea	2003-35271	June 2, 2003

from which priority under Title 35 United States Code, § 119 is claimed

is enclosed.

will follow.

## CALCULATION OF UTILITY APPLICATION FEE

For	Number Filed	Number Extra	Rate	Basic Fee \$750.00
TOTAL CLAIMS	9	0	x 18 =	\$ .00
INDEPENDENT CLAIMS	1	0	x 84 =	\$ .00
[ ] Multiple Dep. Claim			280	\$ .00
			TOTAL \$750.00	

- Verified Statement of "Small Entity" Status Under 37 C.F.R. § 1.27. Reduced fees under 37 C.F.R. § 1.9(f) (50% of total) paid herewith \$.

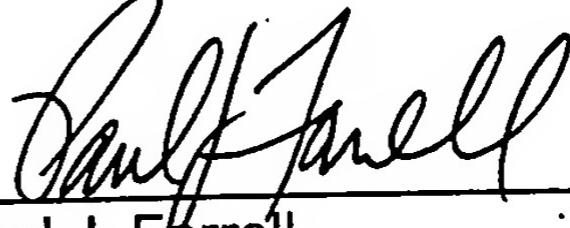


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- The amount of \$40.00 for recording the attached Assignment is enclosed as a separate check.
- Check in the amount of \$750.00 to cover filing fee is attached.
- Charge fee to Deposit Account No. 04-1121.  
TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.
- Please charge any deficiency as well as any other fee(s) which may become due under 37 C.F.R. § 1.16 and 1.17, at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account No. 04-1121. Also, in the event any extensions of time for responding are required for the pending application(s), please treat this paper as a petition to extend the time as required and charge Deposit Account No. 04-1121 therefor. TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.

Respectfully submitted,

Date: September 4, 2003



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Paul J. Farrell  
Reg. No. 33,494  
Attorney for Applicant

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